

Title (en)

Beam steering sensor for a raster scanner

Title (de)

Strahlsteuerungssensor für einen Rasterabtaster

Title (fr)

Détecteur de réglage de faisceau pour un dispositif de balayage

Publication

EP 0583982 B2 20010425 (EN)

Application

EP 93306515 A 19930818

Priority

US 93252592 A 19920820

Abstract (en)

[origin: EP0583982A1] An apparatus and method for reliably monitoring the position of a radiant energy beam, for example, a scanning laser beam (6) such as that produced by a raster output scanning system (4) to expose a photoresponsive member (14), where the beam traverses the surface of a photoreceptive member at a high rate of speed. The apparatus, which includes a lateral-effect photodiode (44A or 44B), is also capable of signaling when the radiant energy beam traverses a specific location. The apparatus may also be used to determine the relative intensity of the radiant energy beam, thereby significantly reducing the space and expense necessary to monitor the radiant energy beam by combining multiple sensing operation in a single apparatus. <IMAGE>

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H04N 1/04

IPC 8 full level

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CPC (source: EP US)

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Cited by

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